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## NOTICE OF ALLOWANCE AND FEE(S) DUE

1609

7500

03/24/2009

ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P. 1300 19TH STREET, N.W. SUITE 600 WASHINGTON., DC 20036

EXAMINER

ENSEY, BRIAN

ART UNIT PAPER NUMBER

2614

DATE MAILED: 03/24/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/571.319	06/27/2006	Henry Azima	55302	8363

TITLE OF INVENTION: AUDIO APPARATUS

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/24/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

naintenance fee notifical		nerwise in Block 1, by (	a) specifying a new con	respondence address,	and/or (b) indicating a sep	datate TEE ADDRESS TO	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
1609	7590 03/24	1/2009					
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WASHINGTON	,, DC 20036		ſ			(Depositor's name)	
			F			(Signature)	
			H			(Date)	
			L			(Dille)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	OR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/571,319	06/27/2006	•	Henry Azima		55302	8363	
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/24/2009	
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
ENSEY,		2614	381-326000				
Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of up or agents OR, altern (2) the name of a sin registered attorney of 2 registered patent a	reprinting on the patent front page, list the names of up to 3 registered patent attorneys ents OR, alternatively, the name of a single firm (having as a member a tered attorney or agent) and the names of up to istered patent attorneys or agents. If no name is the name will be printed.			
PLEASE NOTE: Uni recordation as set forti (A) NAME OF ASSIG	ess an assignee is ident n in 37 CFR 3.11. Com GNEE	A TO BE PRINTED ON iffied below, no assignee pletion of this form is NO	data will appear on the T a substitute for filing (B) RESIDENCE: (CI	e patent. If an assign an assignment. TY and STATE OR C	COUNTRY)	document has been filed for	
A. The following fee(s) are submitted:  I Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)  A check is enclosed.  Payment by credit card. Form PTO-2038 is attached.  The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
6. Change in Entity Stat			П				
	s SMALL ENTITY state				LL ENTITY status. See 37 C		
nterest as shown by the i	ecords of the United Sta	ntes Patent and Trademark	of from anyone other that Office.	n the applicant; a regi	stered attorney or agent; or t	the assignee or other party in	
Authorized Signature				Date			
Typed or printed name							
This collection of inform in application. Confident ubmitting the completed his form and/or suggesti Sox 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 Ciality is governed by 35 I application form to the ons for reducing this buirginia 22313-1450. DO 13-1450.	CFR 1.311. The information U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the DNOT SEND FEES OR	on is required to obtain on 1.14. This collection is by depending upon the interest of the Complete Forms.	or retain a benefit by t estimated to take 12 i dividual case. Any co icer, U.S. Patent and TO THIS ADDRESS	he public which is to file (ar minutes to complete, includi mments on the amount of t. Trademark Office, U.S. Dep S. SEND TO: Commissioner	nd by the USPTO to process) ng gathering, preparing, and ime you require to complete partment of Commerce, P.O. for Patents, P.O. Box 1450,	

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10/571,319	06/27/2006	Henry Azima	55302	8363	
1609 75	90 03/24/2009	EXAMINER			
ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P. 1300 19TH STREET, N.W. SUITE 600 WASHINGTON,, DC 20036			ENSEY, BRIAN		
			ART UNIT	PAPER NUMBER	
			2614 DATE MAIL ED: 03/24/200	0	

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 400 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 400 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
	10/571,319	AZIMA ET AL.				
Notice of Allowability	Examiner	Art Unit				
	BRIAN ENSEY	2614				
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this a or other appropriate communication IGHTS. This application is subject	pplication. If not included on will be mailed in due course. <b>THIS</b>				
1. $\boxtimes$ This communication is responsive to <u>amendment dated 12</u>	<u>//30/08</u> .					
2. X The allowed claim(s) is/are 1-12, 14-18 renumbered 1-17.						
<ul><li>3.  Acknowledgment is made of a claim for foreign priority ur</li><li>a)  All b)  Some* c)  None of the:</li></ul>						
<ol> <li>         1.          ☐ Certified copies of the priority documents have         —</li></ol>						
2. Certified copies of the priority documents have						
3. Copies of the certified copies of the priority do	cuments have been received in thi	s national stage application from the				
International Bureau (PCT Rule 17.2(a)).						
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.						
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.						
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.					
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached						
1) ☐ hereto or 2) ☐ to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t						
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal	Patent Application				
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summar					
nd we was tree in a more property	Paper No./Mail D	ate				
3 ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 12/30/08 & 2/3/09	7. Examiner's Amen	dment/Comment				
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's Staten	nent of Reasons for Allowance				
	9.					
/Brian Ensey/ Primary Examiner, Art Unit 2614	March 18, 2009					

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Art Unit: 2614

### **DETAILED ACTION**

The following is a statement of reasons for the indication of allowable subject matter. The present invention is directed to an audio apparatus and a method of designing an audio apparatus. Independent claims 1 and 12 identify the uniquely distinct feature of a piezoelectric transducer embedded in a casing of soft material and mounted in a housing of hard material coupled to a user's pinna such that a cavity is defined between the casing and housing and the parameters of the casing, cavity and housing reduce unwanted radiation in combination with all the disclosed limitations of claims 1 and 12. The closest prior art, Whitwell et al. (US 2002/0039427) teaches a piezo transducer coupled to a user's pinna but fails to teach a soft casing in a hard housing selected to reduce unwanted radiation; White (US 2,045,427) disclose a bone conduction hearing aid peizo transducer in a soft casing and covered with a hard housing but fails to teach the transducer in contact with the user's pinna or the parameters of the casing selected to reduce unwanted radiation. The prior art fails to anticipate or render the independent claims obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRIAN ENSEY whose telephone number is (571)272-7496. The examiner can normally be reached on Monday - Friday 6:00 AM - 2:30 PM.

Any response to this action should be mailed to:

Application/Control Number: 10/571,319 Page 3

Art Unit: 2614

Commissioner of Patents and Trademarks

P.O. Box 1450

Alexandria, Va. 22313-1450

Or faxed to:

(571) 273-8300, for formal communications intended for entry and for informal or draft communications, please label "PROPOSED" or "DRAFT".

Hand-delivered responses should be brought to:

Customer Service Window

Randolph Building

401 Dulany Street

Arlington, VA 22314

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Curtis Kuntz can be reached on 571-272-7499. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Brian Ensey/

Primary Examiner, Art Unit 2614

March 18, 2009